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| U.S. PATENT DOCUMENTS | | | | | | | | | | |
| *Examiner Initial | * | Document Number | Date | Name | | Class | Subclass | · Filing · If Appro | Date opriate | |
| RK | AA | 4571540 | 2/18/1986 | Stowers et al. | | 324 | 761 | | | |
| RK | AB | 5838160 | 11/17/199 8 | Beaman et al. | × | 324 | 761 754 | | | |
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| *Examiner Initial | ITEM! ! | Document Number | Date | Name | 4 | Class | Subclass | Filing If Appro | |
| RK | AA | 4,566,184 | 1/86 | Higgins et al. | | 29 | 840 | | 3 |
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APPLICANT Warren M. Farnworth et al.

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U.S. PATENT DOCUMENTS

| *Examiner Initial | | Document Number | Date Name | | Class | Subclass | Filing Date If Appropriate | |
|----------------------|-----|--------------------|-----------|--------------------------|-----------|----------|---|--|
| RK | AA. | 4,105,970 | 08/1978 | Katz | 101 - 600 | | • | |
| KK | AB | 4,141,055 | 02/1979 | Berry et al. | - | | | |
| RM | AC | 4,182,781 | 01/1980 | Hooper et al. | | | | |
| RK | AD | 4,189,825 | 02/1980 | Robillard et al. | | | | |
| RK | AE | 4,312,117 | 01/1982 | Robillard et al. | - | | > | |
| KK | AF | 4,417,206 | 11/1983 | Stowers | <u> </u> | | ±. | |
| RK | AG | 4,499,656 | 02/1985 | Fabian et al. | | | | |
| RK | АН | 4,585,991 | 04/1986 | Reid et al. | - | | * 95 | |
| RK | Al | 4,881,118 | 11/1989 | Niwayama et al. | - | | - · · · · · · · · · · · · · · · · · · · | |
| RK | AJ | 4,924,589 | 05/1990 - | Leedy | | | | |
| RK | AK↓ | 4,929,999 | 05/1990 | Hoeberechts et al. 4 | + | | e e | |
| | | * | | FOREIGN PATENT DOCUMENTS | . " | | | |
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| PK | AL | 329314 | 08/89 | European | | | • | | |
| RK | AM | 57143838 | 09/82 | Japan | <u> </u> | | , | | |
| M | AN | 2-5540 | 01/90 | Japan | | | • • • | | |
| RK | AO | 2232946 | 09/90 | Japan | | | | 1 | |
| nk | AP | 53171 | 03/91 | Japan | - in the second | + | | 1 | |
| | | | | | | | | | |

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

| 101 | AR | AR Moto'o Nakano, "A Probe for Testing Semiconductor Integrated Circuits and a Test Method Using Said Probe", 25 March | | | | | | | | | | |
|-----|---------------|--|--|--|--|--|--|--|--|--|--|--|
| KK | | - | 1991, Japanese Patent Office Disclosure No. Hei 3-69131, Filing No. Hei 1-205301, filing date 8 August 1989. | | | | | | | | | |
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| 2000 2000 | | # : | | U.S. PATENT DOCUMENTS | | | | | |
| *Examiner Initial | | Document Number | Date | Name | | Class | Subclass | Filing If Appro | |
| RK | AA | 4,937,653 | 06/1990 | Blonder et al. | | | | | |
| RK | AB | 4,952,272 | 08/1990 | Okino et al. | | | | * * | |
| RK | AC | 4,963,225 | 10/1990 | Lehman-Lamar | | | | | |
| RK | AD | 5,014,161 | 10/1990 | Lee et al. | | | | | |
| Re | AE | 5,032,541 | 07/1991 | Sakamoto et al. | | | | | |
| PK | AF | 5,045,780 | 09/1991 | Swart | - | | | | |
| RK | AG | 5,072,116 | 12/1991 | Kawade et al. | | | _ | | |
| RK | АН | 5,103,557 | 04/1992 | Leedy | | | | · · | |
| PK | AI | 5,137,461 | 08/1992 | Bindra et al. | | | H_ | .: | |
| RK | LA | 5,177,438 | 01/1993, . | Littlebury et al. | | | | · | • |
| RK | AK : | 5,177,439 | 01/1993 ; | Liu et al | | | 2. | | • |
| | | | | FOREIGN PATENT DOCUMENTS | s · | | | | |
| | | Document Number | Date | Country | | Class | Subclass | Trans | |
| RK | AL | 108350 | 05/91 | Japan | | - | — | Yes | No ' |
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| *Examiner Initial | | Document Number | Date | Name | | Class | Subclass | Filing If Appro | Date opriate |
| RK | AA | 3,412,456 | 11/26/68 | Ebisawa | | + | | | |
| RX | AB | 3,469,019 | 09/23/69 | Reimann | | - | | | |
| RK | AC | 4,315,984 | 02/16/82 | Okazaki et al. | | - | | | |
| pu | AD | 5,196,251 | 03/23/93 | Bakhru et al. | , | + | - | | |
| ph | AE | 5,235,140 | 08/10/93 | Recic et al. | | | | 8 8 | |
| RK | AF | 5,239,260 | 08/24/93 | Widder et al. | | | | . · | |
| RK | AG | 5,334,804 | 08/02/94 | Love et al. | | | | | |
| RK | AH | 5,367,253 | 11/22/94 | Wood et al. | | | 4 | e 4 | • |
| PCK | Al | 5,419,807 | 05/30/95 | Akram et al. | | - | | | |
| RK | AJ | 5,431,328 | 07/11/95 | Chang et al | <u> </u> | | | · · · · · · | |
| RK | AK | 5,471,151 | - 11/28/95\· | DiFrancesco | × × | | | · · · · · | |
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY, DOCKET NO. PRIORITY SERIAL NO. PATENT AND TRADEMARK OFFICE MI22-1703 09/411,139 APPLICANT LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) Warren M. Farnworth et al. PRIORITY FILING DATE PRIORITY GROUP October 1, 1999 2858 U.S. PATENT DOCUMENTS Subclass Class Filing Date Document Number Date Name *Examiner If Appropriate Initial 5,477,087 12/19/95 Kawakita et al. AA ΑB 5,478,779 12/26/95 Akram 5,559,444 09/24/96 Farnworth et al. AC ΑD 5,625,297 04/29/97 Arnaudov et al. ΑE 5,716,218 02/10/98 Farnworth et al. ΑF 5,790,377 08/04/98 Schreiber et al. AG 5,831,832 11/03/98 Gillette et al. 12/15/98 ΑH 5,849,633 Akram 5,869,787 02/09/99 Akram ΑI . 5/30/95 5,420,520 Anschel et al. ΑJ 5,541,525 7/1996 Wood et al. ΑK FOREIGN PATENT DOCUMENTS Document Date Country Class Subclass Translation Number Yes No AM ΑN ΑO AP OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) AR AS ΑT DATE CONSIDERED **EXAMINER** 11-20-01 *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.